		Company Mary	DB	Time stamp
L Number	Hits	Search Text (502/350,351,242,250,254,309,323,341).CCLS.	USPAT;	2003/08/11 14:09
-	2115	(502/350, 351, 242, 250, 254, 303, 523, 541).0000.	US-PGPUB	
			USPAT;	2003/08/11 14:20
-	19	(502/242,309,351).CCLS.	US-PGPUB	2333, 33, 22
				2003/08/11 14:22
<u>-</u>	97	((502/350,351,242,250,254,309,323,341).CCLS	USPAT;	2003/00/11 14:22
	l I	and (titania or (titanium adj \$20xide) or	US-PGPUB	
	1	"tio.sub.2") with ("photo-cataly"\$3 or		
]	(photo adi cataly\$3) or photocataly\$3)		
	3	(((502/350, 351, 242, 250, 254, 309, 323, 341).CCL	SUSPAT;	2003/08/11 14:23
-		and (titania or (titanium adj \$20xide) or	US-PGPUB	
		"tio.sub.2") with ("photo-cataly"\$3 or		
		(photo adj cataly\$3) or photocataly\$3))		
	ļ	and (cation or (positive\$2 adj charge\$1))		
	_	withOexabanga1,242,250,254,309,323,341).CCL	SUSPAT:	2003/08/11 14:28
-	3	WithUexchange1, 242, 250, 254, 509, 525, 541, 6026	US-PGPUB	
ļ		and (titania or (titanium adj \$20xide) or	05 16105	į
		"tio.sub.2") with ("photo-cataly"\$3 or		1
i		(photo adj cataly\$3) or photocataly\$3))		
		and (cation or (positive\$2 adj charge\$1))		ļ
		same (silica or (silicon adj \$20xide) or		
		"sio.sub.2" or alumina or (\$2aluminum adj	1	
		\$3oxide) or "al.sub.2 o.sub.3" or] [
1		(zirconium adi phosphate))		
1_	2	((((502/350, 351, 242, 250, 254, 309, 323, 341).CC	LSISPAT;	2003/08/11 14:25
1-		and (titania or (titanium adj \$20xide) or	US-PGPUB	
1	1	"tio.sub.2") with ("photo-cataly"\$3 or		
		(photo adj cataly\$3) or photocataly\$3))		
		and (cation or (positive\$2 adj charge\$1))		
		with exchange) and	101	<u> </u>
	İ	((((502/350,351,242,250,254,309,323,341).CC	13.1	
		and (titania or (titanium adj \$20xide) or		
		"tio.sub.2") with ("photo-cataly"\$3 or		
		(photo adj cataly\$3) or photocataly\$3))		·
		and (cation or (positive\$2 adj charge\$1))		
		same (silica or (silicon adj \$20xide) or		
	,	"sio.sub.2" or alumina or (\$2aluminum adj		1
	9700		USPAT;	2003/08/12 13:57
_	9700	(sirconium adjiphosphdye\$2pxide) or	US-PGPUB;	
		"sio.sub.2" or alumina or (\$2aluminum adj	EPO; JPO;	
	İ	\$30xide) or "al.sub.2 o.sub.3" or	DERWENT;	
		\$30x1de) of "al.Sub.2 0.Sub.3 of	IBM TDB	
		(zirconium adj phosphate))	USPAT;	2003/08/11 15:56
-	30	((cation or (positive\$2 adj charge\$1))	US-PGPUB;	2003/00/21 10:00
1		with (silica or (silicon adj \$20xide) or	EPO; JPO;	
		"sio.sub.2" or alumina or (\$2aluminum adj		
		\$3oxide) or "al.sub.2 o.sub.3" or	DERWENT;	
		(zirconium adj phosphate))) and (titania	IBM_TDB	
		or (titanium adj \$20xide) or "tio.sub.2")		
		with ("photo-cataly"\$3 or (photo ad)		
1		cataly\$3) or photocataly\$3)		
_	46374	(cation or (positive\$2 adj charge\$1)) with	USPAT;	2003/08/12 13:57
	30574	exchang\$3	US-PGPUB;	
		Chonsing	EPO; JPO;	
			DERWENT;	
		ì	IBM TDB	
1		(/time on (nonitive\$2 add charge\$1))	USPAT;	2003/08/11 15:55
-	5958	((cation or (positive\$2 adj charge\$1))		
	1	with exchang\$3) and exchang\$3 with (silica	EPO; JPO;	
		or (silicon adj \$20xide) or "sio.sub.2" or	4	
1	1	alumina or (\$2aluminum adj \$3oxide) or	DERWENT;	
1		"al.sub.2 o.sub.3" or (zirconium adj	IBM_TDB	1
	İ	phosphate))	WODAT.	2003/08/11 15:56
-	10	(((cation or (positive\$2 adj charge\$1))	USPAT;	Z003/00/11 13:30
	1	with exchang\$3) and exchang\$3 with (silica	US-PGPUB;	
- [1	or (silicon adi \$20xide) or "sio.sub.2" or	EPO; JPO;	
		alumina or (\$2aluminum adj \$3oxide) or	DERWENT;	
1	1	"al.sub.2 o.sub.3" or (zirconium adj	IBM_TDB	
		phosphate))) and (titania or (titanium adj	1 -	
		\$20xide) or "tio.sub.2") with		
		("photo-cataly"\$3 or (photo adj cataly\$3)		
			I	1
		or photocataly\$3)		

Search History

	10464	(Cation of (positive)2 day enarge, -,	USPAT; US-PGPUB;	2003/08/12 14:00
		exchang\$3	EPO; JPO;	
			DERWENT;	
	i		IBM_TDB	
_	0	((cation or (positive\$2 adj charge\$1))	USPAT;	2003/08/13 14:12
	1	with exchang\$3) and (titania or (titanium	US-PGPUB;	
		adi \$20vide) or "tio.sub.2") With	EPO; JPO; DERWENT;	
]	("photo-cataly"\$3 or (photo adj cataly\$3)	IBM TDB	
		or photocataly\$3) ((cation or (positive\$2 adj charge\$1))	USPAT;	2003/08/12 13:59
_	0	with exchang\$3) and (titania or (titanium	US-PGPUB;	
ļ	1	adi \$20xide) or "tio.sub.2") same	EPO; JPO;	
		("photo-cataly"\$3 or (photo adj cataly\$3)	DERWENT;	
		or photocataly\$3)	IBM_TDB	2003/08/12 14:00
-	0	((cation or (positive\$2 adj charge\$1))	USPAT; US-PGPUB;	2003/00/12 14:00
		with exchang\$3) and (titania or (titanium adj \$20xide) or "tio.sub.2") and	EPO; JPO;	
		("photo-cataly"\$3 or (photo adj cataly\$3)	DERWENT;	
		or photocataly\$3)	IBM_TDB	
_	5558	(titania or (titanium adj \$20xide) or	USPAT;	2003/08/13 14:05
	3333	"tio sub 2") and ("photo-cataly"\$3 or	US-PGPUB;	
		(photo adj cataly\$3) or photocataly\$3)	EPO; JPO; DERWENT;	
			IBM TDB	
	50000	(cation or (positive\$2 adj charge\$1) or	USPAT;	2003/08/12 14:08
_	59320	silica or (silicon adj \$20xide) or	US-PGPUB;	
	1	"sio.sub.2" or alumina or (\$2aluminum adj	EPO; JPO;	
1	1	saoxide) or "al.sub.2 o.sub.3" or	DERWENT;	
İ		(zirconium adi phosphate)) with exchang\$3	IBM_TDB	2003/08/12 14:02
-	83	((titania or (titanium adj \$20xide) or	USPAT; US-PGPUB;	2003/08/12 14.02
		"tio.sub.2") and ("photo-cataly"\$3 or (photo adj cataly\$3) or photocataly\$3))	EPO; JPO;	
		and ((cation or (positive\$2 adj charge\$1)	DERWENT;	
		or silica or (silicon adj \$20xide) or	IBM_TDB	
		"sio.sub.2" or alumina or (\$2aluminum adj	_	
	1	saoxide) or "al.sub.2 o.sub.3" or		
		(zirconium adj phosphate)) with exchang\$3)	USPAT;	2003/08/12 14:07
-	15574	(silica or (silicon adj \$20xide) or "sio.sub.2" or alumina or (\$2aluminum adj	US-PGPUB;	2005/00/12 1110
		\$30xide) or "al.sub.2 o.sub.3" or	EPO; JPO;	
	1	(zirconium adj phosphate)) with exchang\$3	DERWENT;	
	İ		IBM_TDB	2002/00/10 14 00
_	50828	(cation or (positive\$2 adj charge\$1)) with	USPAT;	2003/08/12 14:08
		exchang\$3	US-PGPUB; EPO; JPO;	
			DERWENT;	
	İ		IBM TDB	
_	6122	((silica or (silicon adj \$20xide) or	USPAT;	2003/08/13 14:05
	0122	"sio sub 2" or alumina or (\$2aluminum ad)	US-PGPUB;	
[\$30xide) or "al.sub.2 o.sub.3" or	EPO; JPO;	
		(zirconium adj phosphate)) with exchang\$3)	DERWENT; IBM TDB	
	1	<pre>and ((cation or (positive\$2 adj charge\$1)) with exchang\$3)</pre>	1	
_	13		USPAT;	2003/08/12 14:08
-	1 13	"sio.sub.2" or alumina or (\$2aluminum adj	US-PGPUB;	
		\$30xide) or "al.sub.2 o.sub.3" or	EPO; JPO;	
		(zirconium adj phosphate)) with exchang\$3)	DERWENT;	
		and ((cation or (positive\$2 adj charge\$1))	IBM_TDB	
	[with exchang\$3)) and ((titania or (titanium adj \$20xide) or "tio.sub.2") and		
		("photo-cataly"\$3 or (photo adj cataly\$3)		
		or photocataly\$3))		
_	48	(silica or (silicon adi \$20xide) or	USPAT;	2003/08/12 14:13
		"sio.sub.2" or alumina or (\$2aluminum adj	US-PGPUB;	
	İ	\$30xide) or "al.sub.2 o.sub.3" or	EPO; JPO; DERWENT;	
		(zirconium adj phosphate)) with exchang\$3) and ((titania or (titanium adj \$20xide) or	IBM_TDB	
		"tio.sub.2") and ("photo-cataly"\$3 or		
		(photo adj cataly\$3) or photocataly\$3))		
L		Note that the second se		

				rianam.	2003/08/12 14:	-13
Γ-		35	(((silica or (silicon adj \$20xide) or	USPAT; US-PGPUB;	2003/00/12 11	
			"sio.sub.2" or alumina or (\$2aluminum adj \$3oxide) or "al.sub.2 o.sub.3" or	EPO; JPO;		
			(zirconium adj phosphate)) with exchang\$3)	DERWENT;		- 1
Ì]		and ((titania or (titanium adj \$20xide) or	IBM TDB		
	i		"tio.sub.2") and ("photo-cataly"\$3 or	_		
			(photo adj cataly\$3) or photocataly\$3)))			
-			not (((silica or (silicon adj \$20xide) or			1
			"sio.sub.2" or alumina or (\$2aluminum adj			
İ	1		\$3oxide) or "al.sub.2 o.sub.3" or			1
			(zirconium adj phosphate)) with exchang\$3)			i
		i	and ((cation or (positive\$2 adj charge\$1))			
	i	İ	with exchang\$3)) and ((titania or (titanium adj \$20xide) or "tio.sub.2") and			
1			("photo-cataly"\$3 or (photo adj cataly\$3)			
			or photocataly\$3)))			
١.	_	5590	(titania or (titanium adj \$20xide) or	USPAT;	2003/08/13 14	:06
1		0030	"tio.sub.2") and ("photo-cataly"\$3 or	US-PGPUB;		
			(photo adj cataly\$3) or photocataly\$3)	EPO; JPO;		
				DERWENT;		
			11 40 11-1	IBM_TDB USPAT;	2003/08/13 14	.06
-	-	4368	(titania or (titanium adj \$20xide) or	US-PGPUB;	2003/00/13 11	
1	i		"tio.sub.2") same ("photo-cataly"\$3 or (photo adj cataly\$3) or photocataly\$3)	EPO; JPO;		
			(photo adj cacalyss) of photocacalyss,	DERWENT;	:	
				IBM TDB		i
١.	_	5	((titania or (titanium adj \$20xide) or	USPĀT;	2003/08/13 14	:09
			"tio.sub.2") same ("photo-cataly"\$3 or	US-PGPUB;		
			(photo adi cataly\$3) or photocataly\$3))	EPO; JPO;		İ
			and (titania or (titanium adj \$20xide) or	DERWENT; IBM TDB		1
			"tio.sub.2") with (potassium adj silicate)	USPAT;	2003/08/13 14	:11
-	-	18	((titania or (titanium adj \$20xide) or "tio.sub.2") same ("photo-cataly"\$3 or	US-PGPUB;	2000, 00, 20	
1			(photo adj cataly\$3) or photocataly\$3))	EPO; JPO;		
		i	and (titania or (titanium adj \$20xide) or	DERWENT;		
-			"tio.sub.2") with (hf or (hydrogen adj	IBM_TDB		
			fluoride) or hydrofluoric)		0000/00/10 14	
	- 1	1	(((titania or (titanium adj \$20xide) or	USPAT;	2003/08/13 14	1:11
			"tio.sub.2") same ("photo-cataly"\$3 or	US-PGPUB;		
	ļ		<pre>(photo adj cataly\$3) or photocataly\$3)) and (titania or (titanium adj \$20xide) or</pre>	EPO; JPO; DERWENT;		
	1	,	"tio.sub.2") with (hf or (hydrogen adj	IBM TDB]	1
			fluoride) or hydrofluoric)) and (titania	_		ŀ
			or (titanium adj \$20xide) or "tio.sub.2")			
			with (zirconium adj phosphate)		0000/00/10 1/	
-	-	10	((titania or (titanium adj \$20xide) or	USPAT;	2003/08/13 14	4:14
			"tio.sub.2") same ("photo-cataly"\$3 or	US-PGPUB; EPO; JPO;		ļ
İ			<pre>(photo adj cataly\$3) or photocataly\$3)) and (titania or (titanium adj \$20xide) or</pre>	DERWENT;		
			"tio.sub.2") with (zirconium adj	IBM TDB		
			phosphate)	_		
	_	3	(((titania or (titanium adj \$20xide) or	USPAT;	2003/08/13 14	4:13
			"tio.sub.2") same ("photo-cataly"\$3 or	US-PGPUB;		
			(photo adj cataly\$3) or photocataly\$3))	EPO; JPO;		
-			and (titania or (titanium adj \$20xide) or	DERWENT; IBM TDB		
- 1			"tio.sub.2") with (zirconium adj phosphate)) and (cation or (positive\$2 adj	1511_155		
			charge\$1)) with exchang\$3			
	_	3	(((titania or (titanium adj \$20xide) or	USPAT;	2003/08/13 1	4:13
			"tio.sub.2") same ("photo-cataly"\$3 or	US-PGPUB;		
			(photo adj cataly\$3) or photocataly\$3))	EPO; JPO;		
			and (titania or (titanium adj \$20xide) or	DERWENT;		
			"tio.sub.2") with (zirconium adj	IBM_TDB		
		1	phosphate)) and (cation or (positive\$2 adj			
- [475	charge\$1)) (titania or (titanium adj \$20xide) or	USPAT;	2003/08/13 1	4:14
1	-	4/5	"tio.sub.2") with (zirconium adj	US-PGPUB;		
			phosphate)	EPO; JPO;		
		!	F	DERWENT;		
				IBM TDB	<u> </u>	

9 ((titania or (titanium adj \$20xide) or "tio.sub.2") with (zirconium adj phosphate)) and photocatalyst	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/08/13 14:14
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